

VistA

Audiometric Exam Module Security Guide

Patch ACKQ*3.0*3

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Department of Veterans Affairs
VistA Health Systems Design & Development

Preface

Purpose

The Audiometric Exam module (ACKQ*3.0*3) was developed for Audiology and Speech Pathology Service (ASPS) to simplify and enhance the entry, display and use of information obtained during the Audiometric exam of a patient. This module is comprised of two distinct application functions: the Audiogram Edit function and the Audiogram Display function.

The Audiogram Edit function is a Windows based software application that allows clinicians to enter, edit or view a patient's audiogram exam information from the Computerized Patient Record System (CPRS) Tools menu or from the end user's desktop. Using this function, a new audiogram record can be entered, or an existing one can be edited. Only unsigned audiogram records are accessible for editing.

Completed and signed records are stored in a local Quality: Audiology and Speech Pathology Audit and Review (QUASAR) global. They are also transmitted from this application to the Denver Distribution Center (DDC) through the **VistA** MailMan system for inclusion with orders for hearing aids and repairs when ordered through the **VistA** Remote Order Entry System (ROES 3.0) package.

The Audiogram Display function is a Windows based software application that allows clinicians to view a patient's audiogram from the CPRS Tools menu or from the desktop. It can also be called from the Audiogram Edit application, if they exist in the same directory and folder. This function presents the clinical information in a standard format recognized within the hearing industry. The user has a choice of viewing just the last audiogram, or the last two, in the file.

Audience

The information in this manual is intended for facility Information Security Officers (ISO) and Information Resource Management (IRM) staff.

Benefits

The Audiometric Exam Module was designed to provide Audiologists and staff with an easy way to enter, store and utilize exam data. Once the data is entered, they can immediately view the audiometric display. The patient care providers can view up to the last two audiograms for the patient. They can also copy or print the display(s). They can select displays from their CPRS Tools menu or from their desktop for easy retrieval and comparison. Completed, signed data entries are also transmitted to the Denver Distribution Center (DDC) for storage and use in ordering hearing aids and repairs.

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Introduction

Scope of Guide

This manual provides information associated with information security considerations of the QUASAR Audiometric Exam Module.

Orientation

The module exists as a **VistA** broker-based application. After installation of this patch, the module can be accessed via either an option on the CPRS Tools menu or a desktop application and/or associated shortcut. This Guide describes basic information about the module and specific information related to information security considerations.

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Chapter 1: Security Management

Legal Requirements

There are no unique legal requirements for this module.

Security Measures

The Audiometric Exam Module is structured around standard accepted VA and industry information security controls. It is implemented as a typical broker-based **VistA** application. End users of the module will primarily include staff in VAMC Audiology & Speech Pathology Services (ASPS). Other healthcare staff (ENT specialists, etc.) may use the module at some facilities. Appropriate local VistA user accounts are necessary in order to access the module. Such user accounts should be granted only to authorized VA employees and VA contractors.

Any suspected or confirmed breach of information security, including compromise of Access and Verify codes, should be reported immediately to the local IRM Service or to the DDC Chief, IRM Division at 303-914-5160.

Local Modifications to VistA Software

No local modifications of the package are authorized.

Integration Agreements

No integration agreements are used in this module.

Unique Features

This module provides Audiologists with a single place to enter audiometric exam data and will allow for both local and national storage of that data for a patient. This provides an ongoing record of patients' hearing performance. The module follows standards commonly used throughout the audiology discipline for data entry and calculation of measures related to hearing loss. Based on data input and calculated from a clinician's audiometric exam, the module also produces a standardized graphical audiogram display for use in assisting with decisions regarding clinical treatment programs.

While functioning as a stand-alone application, this module is also a companion product to another Class I **VistA** package, the Remote Order Entry System (ROES) version 3.0. Upon completion of audiometric data entry, this module automatically sends the audiometric measurements to the Denver Distribution Center (DDC) for national centralized storage and inclusion in ROES orders for hearing devices. For more information about ROES 3.0, contact the DDC.

Chapter 2: Security Features

Mail Groups and Alerts

No local mail groups are created or referenced by this patch. When audiometric measurements are sent to the DDC and processed into the DDC system, a confirmation message is returned to the originating user.

Remote Systems

Upon completion of audiometric data entry, this module automatically sends the audiometric measurements to the Denver Distribution Center (DDC) for national centralized storage and inclusion in ROES orders for hearing devices. For more information about ROES 3.0, contact the DDC.

This data transmission occurs via *VistA* Mailman. Data are stored at the DDC in a Fileman file of similar format to the Audiometric Exam Data file (#509850.9) maintained on the local *VistA* system. The Patient SSN is encrypted during transmission.

As VA usage of the Vitria Interface Engine matures, this will be considered as a possible interface mechanism for audiometric.

Archiving/Purging

There are no package-specific archiving or purging procedures or recommendations for the Audiometric Exam Module. Entries should be retained permanently as part of the patient record. Since clinicians commonly reference historical audiometric measurements in providing patient care, archiving is not recommended.

Contingency Planning

No package-specific contingency planning procedures are required on the local system beyond those typically protecting the *VistA* system. Using services are responsible for developing local contingency plans to accommodate unavailability of this module in a production environment.

Interfacing

The Audiometric Exam Module is designed to integrate with CPRS. Beyond this integration, there are no specialized interfacing requirements associated with the module.

Electronic Signatures

Electronic signatures are not used in this module.

Security Keys

There are no Security Keys exported with the Audiometric Exam Module

Menus

There are two menu options associated with the Audiometric Exam Module. Both are **Vista** broker-based options and are described in detail in the *Audiometric Exam Module Technical Manual*.

Audiogram Display (ACKQROES3)

Audiogram Enter/Edit (ACKQROES3E)

File Security

1. ^ACK(509850.9

DD SECURITY : @
DELETE SECURITY:
READ SECURITY :
LAYGO SECURITY :
WRITE SECURITY :
CROSS REFERENCED BY:
DATE/TIME OF VISIT(B)
PATIENT(DFN)

2. Related files Referenced in ^ACK(509850.9

^DPT(PATIENT
^VA(200	NEW PERSON
^SC(HOSPITAL LOCATION
^XMB(3.9,	MESSAGE
^DIC(4,	INSTITUTION

References

VA web references

Vista RPC Broker Download site: <http://vista.med.va.gov/broker/download.asp>

Vista document library: www.va.gov/vdl/

Generating menu diagrams

Systems Manager Menu

MENU Management

Display Menus and Options

Diagram Menus or Menu Diagrams (with Entry/Exit Actions)

Printing KIDS build file

Systems Manager Menu

Programmer Options

KIDS Kernel Installation & Distribution System

Utilities

Build File Print

Related Manuals

Audiometric Module ACKQ*3.0*3 User Manual

Audiometric Module ACKQ*3.0*3 Technical Manual

Audiometric Module ACKQ*3.0*3 Installation Guide

Official Policies

There are no official policies unique to this module.

Glossary

Acronyms

ASPS	Audiology & Speech Pathology Service
DDC	Denver Distribution Center
ENT	Ear Nose and Throat
IRM	Information Resource Management
ISO	Information Security Officer
PSAS	Prosthetics & Sensory Aids Service
QUASAR	Quality: Audiology and Speech Pathology Audit and Review
ROES 3.0	Remote Order Entry System version 3.0

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